

Naphthalene Anesthetics. VII. Monoalkylaminoalkyl
Esters of Some Naphthalenecarboxylic Acids, by
S. I. ~~XXXX~~ Sergievskaya, E. N. Petrova, 6 pp.

Full translation.

RUSSIAN, Izv. Akad. Nauk SSSR, Ser. Khim., Vol XXII, No 2,
Feb 1958, pp 328-332.

2

Consultants Bureau
152 West 42nd Street
New York 18, N.Y.

Scientific - Chemistry May 53 CTS 1959

(N-Alkyl-N-hydroxyethyl)-Amides of 4(5)-Nitro-1-naphthoic Acids, π by S. I. Sergievskaya, E. N. Petrova, 6 pp.

Full translation.

RUSSIAN, par, Zhur Obshch Khim, Vol XXI, No 12, Dec 1951, pp 2174-2179.

Consultants Bureau

USAR

Scientific - Chemistry, acids

1.9.40

SHCHERBACH, S. I.
KOROTKIN, L. V.
KOROTKIN, L. V.

The Question of the Methods of Preparation of
D-(Naphthyl-1)-Acrylic Acid and Its Ethyl Ester.

The Journal of General Chemistry of the USSR, Vol II,
No 8, Aug 1950, pp 1379 - 1381 (Russ p 1478).

Consultants Bureau
New York

USSR

A-6991

Determination of Nickel, Magnesium, Zinc, and Manganese in the Presence of Titanium by Titration With the Disodium Salt of Ethylenediamine Tetracetic Acid, by B. M. Dobkina, E. P. Petrova.

RUSSIAN, no par, Zavod Lab, Vol XXII, No 5, Moscow, 1956, pp 525-527.

Brutcher Tr 3917
\$3.45

Sci - Min/Metals

57,073

Jan 58

New Aqueous Borate of Calcium-Frolovite, by
E. S. Petrova. UNCL

RUSSIAN, per, Zap Vses Mineral Obshch, Vol LXXXVI,
No 5, 1957, pp 622-626.

Co-op Tr Scheme 546

Sol - Chem
Mar 59

82,040

Decomposition of the Reaction of the Homogeneous
Decomposition of Alkyl Nitrites (Propyl and
Butyl Nitrites), by H. F. Haggren, E. G. Palmer,
A. I. Saltsman, 33 pp. UNCLASSIFIED

RUSSIAN, pub. Iz Ak Nauk Azerbaydzhan SSR,
No 2, 1956, pp 12-27.

Sci Lib Lib 58/1529

SLA R-3061

Sci - Chemistry
Mar 59

82 265

Investigation of the Influence of the Structure of Unsaturated Compounds on Their Reactivity in Copolymerization Processes. Part 2. The Effect of Different Substituents Attached to the Nitrogen on the Reactivity of Methacrylamide Derivatives With Respect to a Common Type of Radical, by G. A. Petrova, G. A. Shtraykhman, 9 pp.

RUSSIAN, per, Zhur Fiz Khim,
No 6, 1959, pp 1246-1252.

, Vol XXXIII,

195, 969

ATS-2344R

Sci

Vol 4, No 10, May 62

The Promoting Effect of Cobalt Iron on the Chromate
Ion Catalyzed Decomposition of Hydrogen Peroxide, by
G. L. Petrova, G. A. Bogdanov.

RUSSIAN, per, Zhur Fiz Khim, Vol XXII, No 10, 1958,
pp 2321-2332.

NLI INT 2269 (Low)

Sci - M/M
Feb 64

248,283

Kinetics of the Catalytic Decomposition of Hydrogen Peroxide by Chromium and Calcium Salts, by
A. I. ~~MINAYEV~~ Minayev, G. L. Petrova, 3 pp.

RUSSSIAN, per, Zhur Fiz Khim, Vol XXXV,
No 7, 1961, pp 1512-1517.

Cleaver-Hume Press

Sci

Apr 62

200,293

~~200,21~~

44
Mechanisms of Aerosol Particle Dispersion in the
Free Atmosphere, by G. M. Petrova, A. A. Miroshkina.

42 pp.

RUSSIAN, Source Unknown.

ARI/FSTC/IT-23-550-69

G. M. PETROVA

Sci/Atmos

Nov 69

396,935

Estimation of the Vertical Scattering Coefficient
for a Settling Ad-Mixture in the Atmosphere
and Its Distribution on the Earth's Surface,
by G. M. Petrova, O. S. Berlyand, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol CXLVI, No 6, Sep, Oct 1962,
pp 1318-1321.

Amer Geol Inst

Sci
Oct 64

62-16548

Petrova, G. N.

A STUDY OF POWDERED MAGNETITES, tr. by
Gerald W. Freeman. 1961, 12p. 4 refs. Geodynamics
Technical Trans. no. 102. Available from Geodynamics,
Inc., P. O. Box 1258, Santa Monica, Calif. \$1.00 as
TT-102. When supply exhausted.
Order from CTS or SLA \$1.60

62-16548

Trans. from [Akademiya Nauk SSSR. Izvestiya. Seriya
Geograficheskaya i Geofizicheskaya, 1948, v. 12, no. 6.

DESCRIPTORS: *Magnetites, *Powder metallurgy,
Grain structures (Metallurgy), Ferromagnetic materials.

The influence of the concentration and grain size of the
ferromagnetic component, (magnetite of Gora Vysokaya)
under ideal and normal magnetization on the magnetic
properties of a powder, in particular its internal
demagnetization factor is examined. The limits of
(Metallurgy, TT, v. 10, no. 9) (over)

I. Petrova, G. N.
II. Geodyn TT-102
III. Geodynamics, Inc.,
Santa Monica, Calif.

Office of Technical Services

Spontaneous Changes in H_c of Particular Cycles of
Magnetization Observed During Cooling of
Ferromagnetic Minerals, by G. N. Petrova, V. I.
Trukhin, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 6,
1961, pp 892-897.

AGU

Sci

May 62

194,519

The Stability of Remanent Magnetization of Rocks,
by M. A. Grabovskiy, G. H. Petrova, 7 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Ser Geofiz,
No 3, 1956, pp 290-296.

Assoc Tech Sv
Tr 56J14R

May 58

63,894

Magnetic stability of rocks, by G. N. Petrova, 11 pp.

RUSSIAN, per, Is Ak Nauk SSSR, Ser Geoliz, No 1, 1957,
pp 52-61

Pergamon Institute

Sci - Geophys

Jul 58

66,400

Internal Demagnetizing Factor, by G. N. Petrova.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Ser Geog i
Geofiz Vol XIII, No 4, 1949, pp 363-368.

CIA 563465

ATTC F-TS-8949/III

Sci - Geophysics

40,800

Jun 1956

(DC-6595)

Change in the Geomagnetic Field in the Past
According to Paleomagnetic, Archeomagnetic, and
Observatory Data, by S. P. Buryatskaya,
G. H. Petrova, et al, 8 pp.

RUSSIAN, per, Geomagnetism i Aeronomiya,
Vol. I, No 4, Jul-Aug 1961, pp 594-598.

JPRS 13276

Sci. - Geophys
Apr 62

190,848

G. N. Petrova and G. A. Fospelova: Some special
characteristics of thermal magnetization, 11 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 6,
1957, pp 728-736.

Pergamon Inst

Sci - Geophys

Apr 53

85, 641

The Use of Stability Parameters for the
Detailed Correlation of Profiles, by G. N.
Petrova, T. A. Ismail-Zade, 12 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz,
No 3, 1959, pp 382-397.

Amer Geophys Union

Sci

Jun 60

118, 283

Laboratory Criterion of the Magnetic Stability of
Rocks, by G. N. Petrova, V. A. Zhilyayeva, 5 pp.

RUSSIAN, per, Iz Ak Nauk ~~SSR~~ SSSR, Ser Geofiz,
No 9, 1960, pp 1328-1335

AGU

Sci

Apr 61

156, 170

Determination of the Magnetic Stability of Rocks
Under Laboratory Conditions, by G. N. Petrova,
V. A. Koroleva, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 5,
1959, pp 703-709.

Amer ^eGeophys Union

Sci -
Aug 60

122,159

The Archeomagnetic Method of Studying Changes
of the Geomagnetic Field of the Past, by
S. P. Burlatskaya, G. N. Petrova, 9 pp.

RUSSIAN, per, Geomagnet i Aeron, Vol I, No 1,
1961.

AGU

Sci

Jan 63

220,480

Various Laboratory Methods of Determining the
Geomagnetic Stability of Rocks, by G. H. Petrova, 2
8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 11,
1961, pp 1585-1598.

AGU

Sci
11 Jun 62

193,667

The Stability of Remanent Magnetization of Rocks,
by M. A. Grabovskiy, G. N. Petrova.

RUSSIAN, per, Izvest Ak Nauk SSSR, Ser Geofiz,
Vol MCMLVI, No 3, pp 290-296.

Assoc Tech Sv RJ-744
\$11.75

Sci - Geophysics
Aug 57

51, 732

Petrova, G. N.

**IDEAL MAGNETIZATION AS ONE OF THE CAUSES
OF HIGH REMANENT MAGNETIZATION IN ROCKS.**

[1961] [16]p. 25 refs.

Order from OTS or SLA \$1.60

61-16188

Trans. of [Akademiya Nauk SSSR. Izvestiya. Seriya
Geograficheskaya i Geofizicheskaya] 1948, v. 12,
no. 5, p. 475-487.

DESCRIPTORS: *Rock, Magnetic properties,
*Magnetite, *Terrestrial magnetism.

(Physics--Magnetism, TT, v. 6, no. 2)

61-16188

I. Petrova, G. N.

Office of Technical Services

Petrova, G. P. and Ponomarev, K. A.
THE USE OF DARK-FIELD ILLUMINATION IN THE
ELECTRON MICROSCOPE FOR MICROORGANISM
STRUCTURE STUDY. [1961] 5p. (5 figs. omitted)
5 refs. [CWL] Trans. 34; Misc Tr 440.
Order from OTS or SLA \$1.10

61-19720

Trans. of *Mikrobiologiya (USSR) 1959, v. 28, no. 5,
p. 777-782.

DESCRIPTORS: *Electron microscopy, Electron
microscopes, Microorganisms, Illumination,
Microbiology.

(Biological Sciences--Microbiology, TT, v. 6, no. 2)

61-19720

- I. Title: Dark-field illumination
- I. Petrova, G. P.
- II. Ponomarev, K. A.
- III. CWL Trans-34
- IV. CWL Misc Tr-440
- V. Army Chemical Corps.
Fort Detrick, Md.

Office of Technical Services

The Reaction of Sulfarsazene with Lead, by A. M. Lukin,
G. S. Petrova, ⁵ pp.

RUSSIAN, per. Zhur Obshch Khim, Vol XXXI, No 4, 1961.
pp. 1254 - 1258

08
08

196, 704

Sol
Apr 62

A New Reagent for Lead, by A. M. Lukin, G. S.
Petrova, 5 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XV, No 3, 1960,
pp 295-298.

CB

164,282

Sci
Aug 61

Investigations in the Field of Polyaromatic Com-
pounds. III, The Synthesis of Anthraquinone-1-
Arsonic and -1-Phosphonic Acids by the Diazo
Method, by A. M. Iulkin, & G. S. Petrova, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No
8, 1957, pp 2171-2173.

Consultants Bureau

Sci. Chem
Oct 58

74, 197

The Stability of the β -Phase in Alloys of
Titanium With Iron and Nickel, by N. V. Ageev,
I. A. Petrova, 3 p.

RUSSIAN, per, Zhur Neorg Khim, Vol IV, No 5,
1959, pp 1092-1099.

Cleaver-Hume Press Ltd.
London

Sci-Chem
Jan 60

106, 432

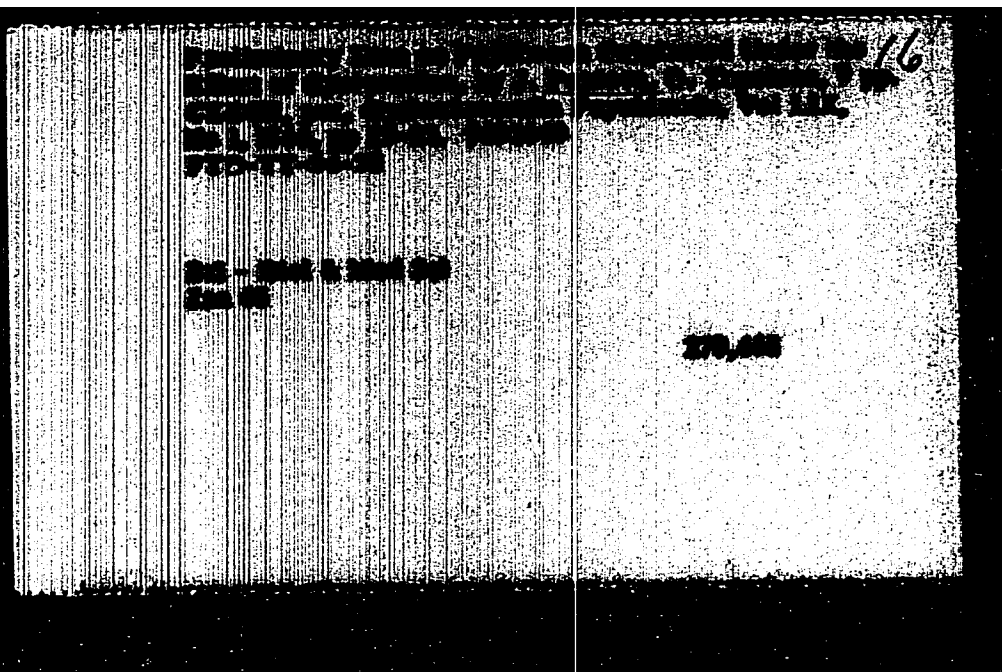
Hydraulic Resistances of Tubes in the Case of
Rising Flow of a Steam-Water Mixture at $\pm$ High
Velocities and High and Ultra-High Pressures, by
M. M. Przhiyalkovskiy, I. N. Petrova, 7 pp.

RUSSIAN, as per, Teploenergetika, Vol VIII, No 6,
1961, pp 25-28.

AEC Tr-4802

182,520

Sci - Engr
Feb 62



Increase of the Sensitivity of Some Photographic
Emulsions by Means of Preliminary Short Exposure,
by T. M. ~~Mal~~ Mulyarchuk and E. I. Petrova, 4 pp.

RUSSIAN, per, Astron Zhur, Vol XXXIV, No 1, 1957,
pp 102-104.

Amer Inst of Phys
Sov Astron - AJ
Vol I, No 1

Sci - Astron

INDEXED
Apr 59

84,106

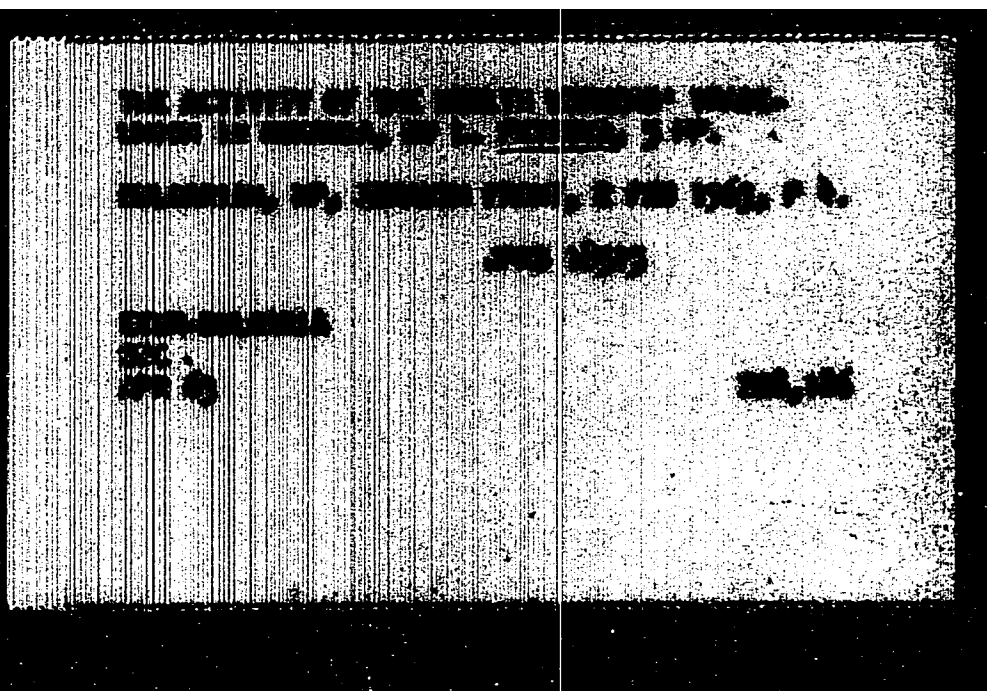
Microhardness of Binary High-Melting-Point Carbides,
by A. E. Koval'skiy, L. A. Petrova, 17 pp.

RUSSIAN, per, Trudy Soveshchaniya Mikroverdsti,
1950, pp 170-186.

AEC tr-3834

Sci - Chem
Jan 60

104,888



Synthesis of Sulfur-Containing Derivatives of Pyridoxine
by L. A. Petrova, N. N. Bel'tsova, 2 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXII, No 1,
1962, pp 274-277.

CB

Sci

Oct 62

216,191

Research on the Isomeric Transformations of
 α -Ketols. VIII. The Effect of Methyl in the
Para Position of the Phenyl Ring upon the Com-
parative Stability of Oomeric Aliphatic-Aromatic
 α -Ketols, by T. I. Temnikova and L. A.
Petrova, 8 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol XXI,
No 4, USSR, Apr 1951, pp 677-685

Consultants Bureau
Vol 21, Apr 1951

A9132

Stability of the β -Phase in Titanium - Vanadium
Alloys, by N. V. Agayev, M. A. Petrova, 3 pp.

RUSSIAN, per, Zhur Neorgan Khim, No 3, 1960,
pp 615-618.

Cleaver-Burns Press

Sci

Oct 60

130,138

Research on the Molecular Rearrangements of α -Ketols.
II. Reactions of Methyl-p-Tolyl Ketols with Organomagnesium Compounds, by T. I. Temnikova, L. A. Petrova,
1951.

Full translation.

RUSSIAN, per, Zhur Obsh Khim, Vol XXI, No 10, Oct 1951,
pp 1877-1882.

Consultants Bureau, 1952 Oct 1951

USSR

Scientific - Chemistry

A 9133

Dynamics of Neutralization of Esters by Aqueous
Soda Solution in Columns Without Packing, by V. B.
Falkovsky, L. I. Petrova, 4 pp.

RUSSIAN, no per, Zhur Prik. Khim, Vol XXIX, No 9,
Sep 1956, pp 1453-1455.

Consultants Bureau

Sci - Chemistry

EXX

Sep 57

53,165-

The Quantitative Determination of Halogen in
Organic Compounds, by A. A. Eugorkova-Zelenetskaya,
E. N. Novikova, L. N. Petrova, 4 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XIV, No 5,
1959, pp 625-627.

CB

Sci
Sep 60

126,259

Quantitative Determination of Alcohols by the De-
hydration Method, by L. N. Petrova and E. N. Novikova,
4 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XII, No 3, 1957,
pp 411-414.

Consultants Bur

Sci - Chem

May 58

64,520

Thiocyanogenation of Unsaturated Compounds. I.
Thiocyanogenation of Unsaturated Hydrocarbons and
of Silicon-Hydrocarbons, by A. A. Bugorkova,
L. N. Patkina, V. M. Rodionov, 6 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII,
No 11, 1953, pp 1808-1812. CIA D 151246

Consultants Bureau

Scientific - Chemistry

Apr 55 CTS

22,614

Thiocyanogenation of Unsaturated Compounds. III.
Thiocyanogenation of the Double Bond Side Chain of
Methoxy- and Methylene-dihydroxy-Compounds
of the Aromatic Series, by A. A. Bugorkova, L. N.
Petrova, V. M. Rodionov, 4 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII,
No 11, 1953, pp 1822-1825. C IA D 151246

Consultants Green

Scientific - Chemistry Apr 55 CTS

22,612

Thiocyanogenation of Unsaturated Compounds. II.
Effect of Oxygen-Containing Functional Groups Upon
the Thiocyanogenation Reaction, by A. A. Bugorkova,
L. N. Petrova, V. M. Rodionov, 8 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII,
No 11, 1953, pp 1813-1821. CIA D 151246

Consultants Bureau

Scientific - Chemistry

Apr 55 GTS

22,615

Quantitative Determination of Acetic Anhydride,
by E. M. Novikova, L. N. Petrova, 6 pp.

Anal *XII*
RUSSIAN, per, Zhur ~~Khim~~ Khim, Vol ~~XXII~~, No ~~2~~,
1957, pp 534-539.

Consultants Bureau

Sci - Chem
Aug 58

61, 113

The Determination of Primary Alcohols, by L. N.
Petrova. 2 pp. N UNCLASSIFIED.

RUSSIAN, per, Zhur Anal Khim, Vol. VIII, No 1, 1953,
pp 61, 62.

Consultants Bureau

17,167

Scientific - Chemistry

Determination of Carbonyl Compounds by Means
of the Reaction with Amines, by L. N. Petrova,
Ea N. Novikova, and A. N. Sivortsova, 5 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XIV, No 3,
1959, pp 347-351.

Consultants Bureau

119,634

Sci-Chem

Jun 60

Determination of Aldehydes in the Presence of Ketones,
by L. N. Petrova, A. B. Skvortsova, 5 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XVIII, No 1, 1963,
pp 131-136.

CB

Sci
Dec 63

245,162

Quantitative Determination of Ketones by
Oxime Formation, by L. N. Petrova, E. N. Novi-
kova, 6 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XXIX, No 5,
May 1956, pp 783-788.

CONSULTANTS BUREAU

Sci - Chem
Feb 57 CTS

44,250

Polarographic Determination of Aldehydes as
2,4-Dinitrophenylhydrazones, by L. N. Petrova,
E. N. Novikova, 4 pp.

RUSSIAN, per, ~~Chem. Fizik Khim.~~ Vol XVIII,
No 2, USSR, Feb 1955, pp 219-221. CIA D 151339

D 251170

Consultants Bureau

Scientific - Chemistry

OTS 69/Jun 55

24628

Benzylation of Aromatic Hydrocarbons in Presence of
Activated Clay, L. N. Rabinov, O. V. Shvarts.

The Journal of General Chemistry of the USSR, Vol XX,
No 12, Dec 1950, pp 2249 - 2253 (Russ p 2166).

Consultants Bureau
New York

USSR

A 9134

(DC-3901)

Some Applications of a Scheme of Symbolism
in Machine Programming, by L. T. Petrova,
13 pp.

RUSSIAN, per, Zhur Vychislitel' Matemat i
Matematicheskoy, Fiz, Vol I, No 3,
May/Jun 1961, pp 513-522.

JPRS 11701

Sci - Misc,
Machine Translation
Jan 62

172, 990

Relation of Reactivity of Structures for Alkynes, Acid
Anhydrides, and Acid Chlorides, by A. P. Meshcheryakov,
L. V. Petrova, et al., 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1960, pp 98-103.

CB

Sci
May 62

192,865

Kishner Synthesis of Di-, Tri-, and ^{ET} ^T Transubstituted
Cyclopropane Hydrocarbons. by A. P. Meshcheryakov,
L. V. Petrova, V. G. Gukhovtsev, 6 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1961, pp 111-119.

CB

196, 127

Sci
Apr 62

The Reactivity of α,β -Unsaturated Ketones and β -Ketone Halides in the Kishner Reaction, by A. P. Meshcheryakov, L. V. Petrova, Yu. P. Egorov, 7 pp.

RUSSIAN, per, Zhur Oshch Khim, Vol XXVIII, No 9, 1958, pp 2588-2594.

CB

Sci - Chem
Oct 59

100,113

Reactions of 3,3,4-Trimethyl-2-Pentanol, by A. P. Meshcheryakov, L. V. Petrova, 6 pp.

RUSSIAN, also per, Iz Ak Nauk ¹⁹⁵⁵, Otdel Khim Nauk, No 6, Nov/Dec 1955, pp 1057-1062.
CIA 54276 C, reel 3.

Consultants Bureau

Sci - Chemistry

37, 639

Aug 1956

Synthesis of Keto Acids From Olefins and α -
Chloroformyl Carboxylic Esters., by A. P.
Meshcheryakov, L. V. Petrova, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1958, pp 106-107.

Consultants Bureau

Sci - Chem

May 59

86,879

The Splitting Off of the Elements of Hydrogen Halide
From Monohalo Derivatives of Hydrocarbons of the
Series C_nH_{2n-2} by A. P. Meshcheryakov, L. V. Petrova,
5 pp.

Full translation.

RUSSIAN, no per, Is Ak Nauk SSSR, Otdel Khim Nauk,
No 1, Jan-Feb 1952, pp ~~152-156~~ 152-156.

Consultants Bureau

USSR
Scientific - Chemistry

Aug 53 OTS

4500

Automatic Control of pH in Zinc Production, by
I. Y. Petrova, 5 pp

RUSSIAN, per, Tsvetnye Metally, Vol I, No 8,
1960, pp 39-42

PS

Sci

May 61

152, 318

(FDD 24323)

Experimental Study of Blomycin, by Z. V. Yermol'yeva,
A. I. Semich, Ye. K. Berezina, L. K. Valedinskaya,
M. A. Petrova, L. K. Rubtsova

RUSSIAN, bk, Blomitsin, Moscow, 1954,
pp 5-15

CIA/FDD Tr 417

A-702

A 5-Hydroxytryptamine From Hippophae Rhamnoides
as an Antitumor Preparation in Experiments on
Animals, by E. Ch. Pukhal'skaya, M. F. Petrova,
G. P. Men'shikov, 5 pp.

RUSSIAN, par, Byul Eksp Biol i Med, Vol L,
No 10, 1960, pp 105-110.

CB

Sci

Jul 61

157,494

(NY-6503/21c)

Five-Oxytryptamine Prepared From Hippophae Rham-
noides and Tested as Antiblastic Preparation in
Experiments on ~~MMX~~ Animals, by Ye. Ch. Pukhal'skaya,
M. F. Petrova, G. P. Men'shikov, 8 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol I,
No 10, 1960, pp 105-110.

JPRS 9725

Sci - Med
Aug 61

161,927

Investigation of the Action of Six Alkaloids
Derived from 1-Methylpyrrolizidine on the
Growth of Hepatoma and Other Transplanted
Animal Tumors, by A. Ch. Pakhal'skaya,
M. P. Petrova, I. V. Man'ko, 3 pp.

RUSSIAN, per, Byul Eksp. Biol i Med,
Vol XLVIII, No 8, 1959, pp 91-93.

Consultants Bureau

Sci

Mar 60

111, 358

Investigations Into the Alkaloids of Heliotropium
Lasiocarpum. The Decomposition of Lasiocarpic Acid
and its Esters in Solutions of Strong Alkalies, by M. F.
Petrova, S. I. Denisova, G. P. Menshikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV, No 5, 1957,
pp 1073-1075.

Consultants Bureau

Sci - Biology
May 58

62,706

The Splitting of Macrotonic Acid and Acids From
Heliosupine in Caustic Alkali Solutions, by S. I.
Denisova, M. F. Petrova, G. P. Men'shikov, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 7,
1958, pp 1882-1884.

Consultants Bur

Sci - Chem
Sep 59

96,874

A Preparation From Hippophae rhamnoides Which
Inhibits Growth of Transplanted Tumors in
Animals, by, M. F. Petrova, E. Ch, Pukhal'skaya,
G. I. Men'shikov, 4 pp

RUSSIAN, per, Byul Eksper Biol i Med, Vol XLVII,
No 2, 1959, pp 102-105.

Consultants Bureau

Sci
Sept 59

95, 6 3 3

Investigation of the Alkaloids of Makrotomia Echioide
I. A New Alkaloid, Macrotonine, and Its Structure,
by G. P. Menshikov and M. F. Petrova, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXII, '
No 8, Aug 1952, pp 1457-1460.

Consultants Bureau

Sci - Chemistry

Feb 54 CTS

9849

Plant extracts tested for cytotoxic and
antitumorigenic action, by E. Ch. Pukhal-
skaya, M. G. Petrova, P. S. Massagetov, 4 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol
43, No 6, 1957, pp. 57-59.

Consultants Bureau

Sci - Med

Jun 58

65,117

Spectra of Combination Second Order Scattering of
NaBr and KI Crystals, by A. I. Stekhanov, N. L.
Petrova. 6 pp.

per

RUSSIAN, bino me, Zhur Eksp Teor Fiz, Vol XIX, No 12,
1949, pp 308-312.

1/08

Morris D. Friedman
\$3.00

Sci - Physics
Dec 56 CTS

41,453

A Ratio-Measuring Photometer, by I. G. Gol'dreer, M. L. Petrova, 3 pp.

RUSSIAN, per, Izmeritel' Tekh, No 5, 1960, pp 57, 58.

ISA

Sci -
Apr 61

146,459

The Production of Alpha-, Beta-, and Gamma-Sources
Using Oxide Films on Aluminum and Its Alloys, by
M. S. Petrova, 4 p.

RUSSIAN, bk, Proceedings of the First All-Union
Conference on Radiation Chemistry Production of
Isotopes, 1957, 9048095-0 pp 55-59

Consultants Bureau

Sci - Chem

Apr 60

114,527

Influence of an Atmosphere of Argon, Nitrogen and
Air on the Emission of an ARC Discharge, by
O. P. Semenova, M. V. Petrova.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXVI,
No 7, 1962, pp 945-948.

NASA TT F-1354

Sc1

Apr 63

US GOV'T ONLY

229,194

Contribution to the Problem of the Effect of
the Atmosphere on the Radiation of an Arc
Discharge (2nd Installment), by C. P.
Semenova, M. V. Petrova, 15 pp.

RUSSIAN, per, Iz Vyssh Ucheb Zaved, Fiz,
No 1, 1962, pp 111-117. 9682743

FTD-TT-63-19

Sci-Phys
May 63

229,533

Towards Problem on the Effect of Atmosphere on
Arc Discharge Radiation, by O. P. Semenova,
M. V. Petrova.

RUSSIAN, per, Iz Vysishikh Ucheb Zaved, Fiz,
No 2, 1961, pp 71-76.

ERDL, Ft Belvoir Tel 499

Sci - Phys
Aug 62

211, 423

USIB- 9678680

Secrets of the Blue Jet Stream, by N. Petrova,
17 pp.

RUSSIAN, per, Znaniye-Sila, No 3, 1962, pp 17-19.
9667359

YTD-TT-62-1304

Sci - Space Res
Jan 63

Reaction of 2,4-Dithiobenzaldehyde
Polyvinylacetal with Gelatin, by D. A.
Dushenko, E. A. Petrova, Yu. B. Vilenskii,
1964.

RUSSIAN, per, Zhurnal Khimicheskoi i Prikladnoi
Fotografii i Kinetografii, Vol 9, No 1,
1964, pp 11-13.
GOST 11-0-20089.

D. A. Dushenko

34,637

Sci - Chemistry
Mar 67

On the Character of the Phytoplankton of the
Yakimvarekii Gulf (Lake Lagoda), by N. A.
Petrova.

RUSSIAN, per, Botan Zhur, Vol XLIV, No 9, 1959,
pp 1311-1314.

ILL M. 3178

Sci - Biol

Apr 62

189, 777

Absorption of Hydrogen Sulfide by Arsenical Soda
Solution in a Foam Apparatus, by M. E. Foxin,
B. A. Kopylov, N. A. Petrova, 9 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXI, No 6, 1958,
pp 849-858.

Consultants Bureau

Sci. - Chem

Jun 59

89,646

Absorption of Ammonia by Cupressonium Solution in
a Foam Apparatus, by M. E. Pozin, B. A. Kozylev,
N. A. Petrova, 6 pps

RUSSIAN, per, Zhur Prikl Khim, Vol XXXI, No 7,
pp. 1007-1012.

Consultants Bureau

Sci - Chem
Aug 59

93, 817

Dielectric constant of rock salt at high
temperatures, by W. S. Kosman & W. A. Petrova,
h pp.

AK

RUSSIAN, per, Izvestiia SSSR, Ser Fiz, Vol XXII,
No 3, 1958, pp 311-314.

Columbia Tech

Sci - Phys

May 59

87,412

Depth of Strain-Hardened Layer Produced by Shot Peening
by N. A. Petrova, M. Ya. Shashin.

RUSSIAN, no per, Vest Mashinostroy, Vol XXXVI, No 11,
Moscow, 1956, pp 47-50.

Brutcher Tr 4024
\$3.90

Sci - Min/Met

Jan 58

57,034

The Brightness of Floculi, Magnetic Fields and
Mechanisms of Heating, by V. E. Stepanov,
N. N. Petrova.

RUSSIAN, par, Iz Kryn Astrofiz Obscr, Vol XXI,
1959, pp 152-179.

NLL RIB 2110

Sci - Astron
Mar 63

223,609

Trace Elements in Mineral Waters of the Pamirs,
by S.R. Krainov, M.G. Petrova, 13 pp.

RUSSIAN, per, Geokhim, No 4, 1962.

Geochem Soc

Sci

Apr 63

233,616

Experimental Data on the Use of Vessel Suturing
Apparatus, by N. P. Petrova, 5 pp.

RUSSIAN, bk, Novye Khirurgicheskie Apparaty i
Instrumenty i Opyt Ikh Primeniya, No 1, 1957.

OTS 60-21169
PL-480

Sci - Med

Nov 61

PST 212

172, 707

8-1604

(DC-2324)

Protective Effect of Chondroitin Sulfate Against
Lethal X-Ray Doses, by H. D. Petrova, L. I.
Polikarpova, M. F. Sbitneva, L. T. Tutoshkina,
V. V. Shikhodyrov, 15 pp.

RUSSIAN, par, Medit Radiolog, Vol III, No 4,
Moscow, Jul-Aug 1958, pp 34-41.

JPRS 672-D

Sci - Med, radiology
May 59

87,660

(NY-6454)

The Mechanical Vascular Suture in Plastics of
Blood Vessels, by N. P. Petrov, 11 pp.

RUSSIAN, per, Eksper Khirurgiya i Anesteziologiya,
Vol VI, No 2, Mar/Apr 1961, pp 41-46.

JPRS 9567

Sci - Med

159,866

Jul 61

(NY-1374/24).

General Purpose Blood-Vessel-Nerve-Suturing ~~Apparatus~~
Apparatus, by L. I. Kukulshkin, N. P. Petrova,
10 pp.

RUSSIAN, per, Voenno-Med Zhur, No 7, 1959,
pp 27-31.

JPRS 2550

Sci - Med
May 60

N. S. Petrova - Grinkevich N.S.
The feeding competition between the haddock and
cod in the Barents Sea. Transactions of the Polar
Scientific Research Institute of Marine Fisheries
and Oceanography, 15 pp
RUSSIAN per Knipovich Institut, 1944 No 8
pp 416 - 427

Sci Museum Lib no 52/086

0288

A-3614

Isomerization of Methylcyclohexane Over an
Aluminosilicate Catalyst, by V. V. Tishchenko,
N. V. Petrova, 3 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV,
No 9, Sep 1954, pp 1594-1596. CIA C 42159.

Consultants Bureau

Sci - Chemistry

35,170

Jun 1956/Dex

The Effect of Corrosion Inhibitors on Mechanico-
-ecorrosional Abrasion, by E. M. Zaretskiy, I.
M. Katsar, O. A. Petrova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 4,
1960, pp 890-892.

CB

Sci

167,406

Jul 61

Tracing Changes in Isotopic Composition of Sr,
Rb, Ca, K and Li when Assimilated by Plants From the
Nutrient Medium, by G. R. Nick, O. N. Petrova,
4 pp.

RUBIN, per, Biofiz, Vol VI, No 6, 1961.

Kievskiy Pub Co

Sci

214,008

Oct 62

... Against Corrosion

The Protection of Steel Components Against Corrosion
by Means of Inhibitors, by O. A. Petrova, M. N.
Nikol'skaya,

RUSSIAN, per, Byul Tekh-Ekon Informatsii, No 9,
1960, pp 69-70.

BCIRA 991

Sci

Aug 61

163,163

Local and Distance Effects of Whole-Body Roentgen
Irradiation in the Production of Injury to the
Ovaries in Mice, by O. N. Petrova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 6,
1953, pp 1018-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 6

Sci - Phys
Jul 59

91,807

94
Acoustic Calculation for the Exhaust
System of a Marine Internal-Combustion
Engine, by O. V. Petrova.
RUSSIAN, per, Sudostroenie, Vol 30, No 7,
1964, pp 13-.
NLI Ref 9022.065 1965 (2169)

O.V. Petrova

Sci-Engr
June 66

302,241

NCH-202 225

Field 21G, 13J

Petrova, O. V.
ACOUSTIC CALCULATIONS FOR THE EXHAUST
SYSTEM OF A MARINE INTERNAL COMBUSTION
ENGINE. 14 Sep 65. BSRA-2169.
Order from BSRA: L5 as BSRA-2169

Trans. of Sudostroenie (USSR) v30 n7 p33ff 1964.

I. British Ship Research
Association
London (England)